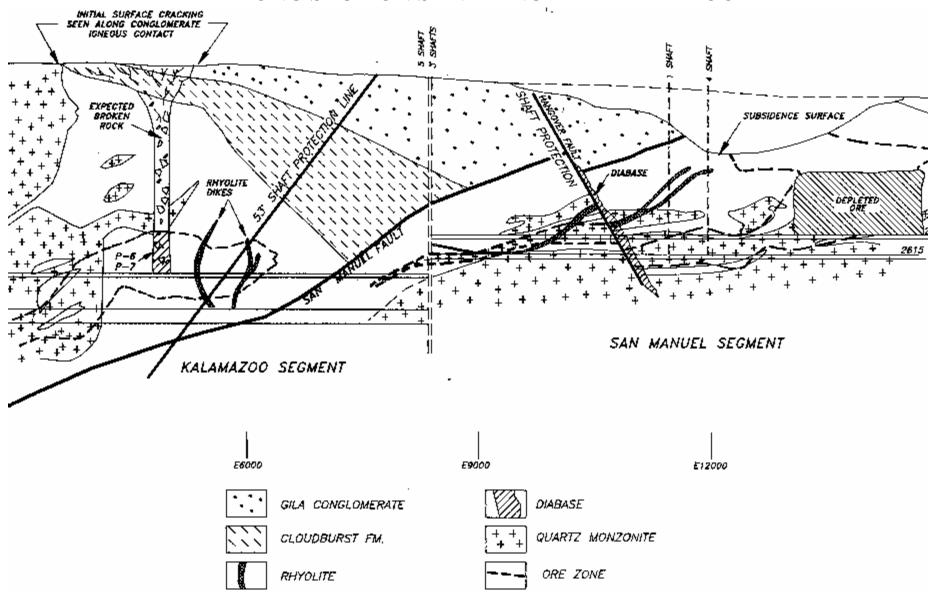
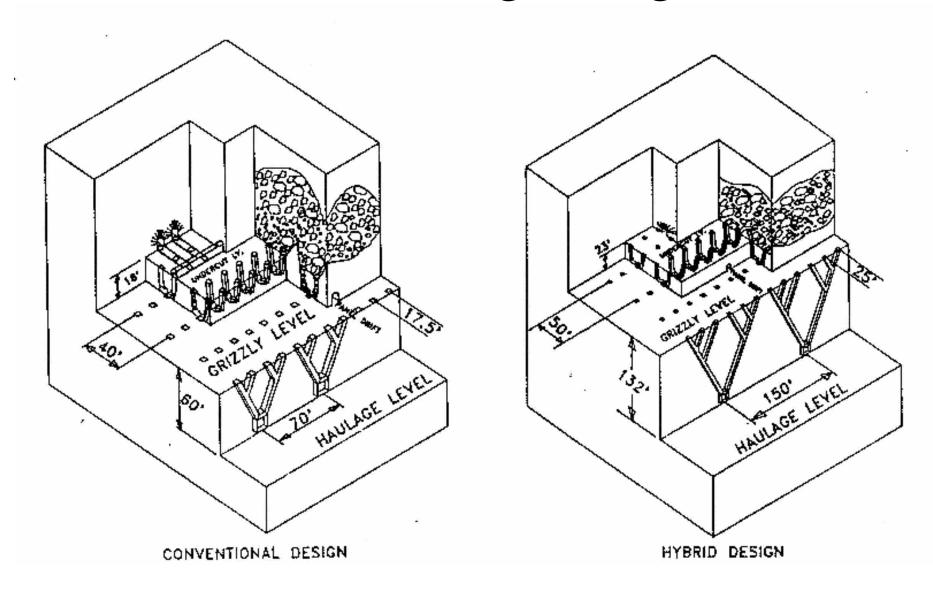
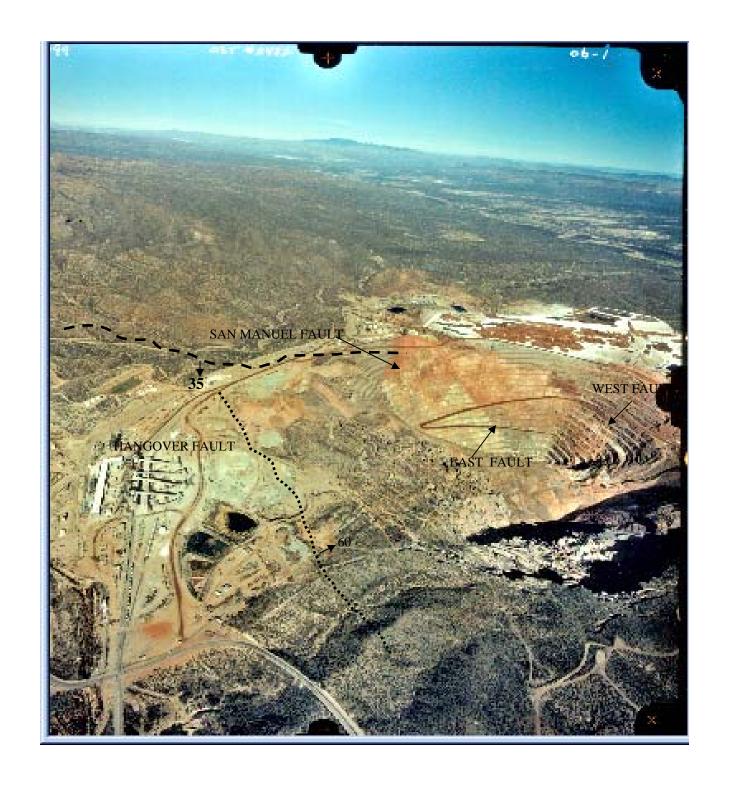


LONG SECTION SAN MANUEL-KALAMAZOO



Block Caving Design

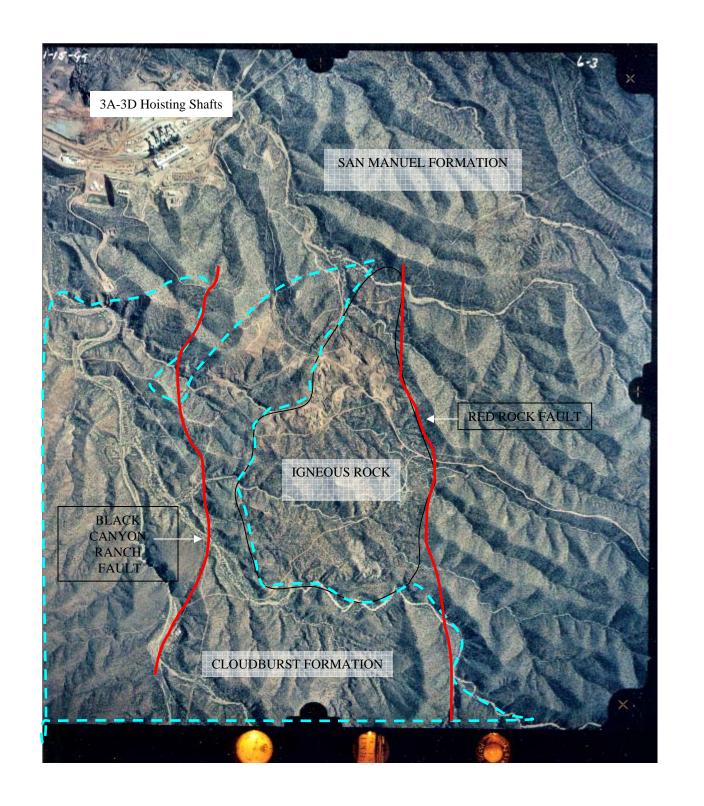


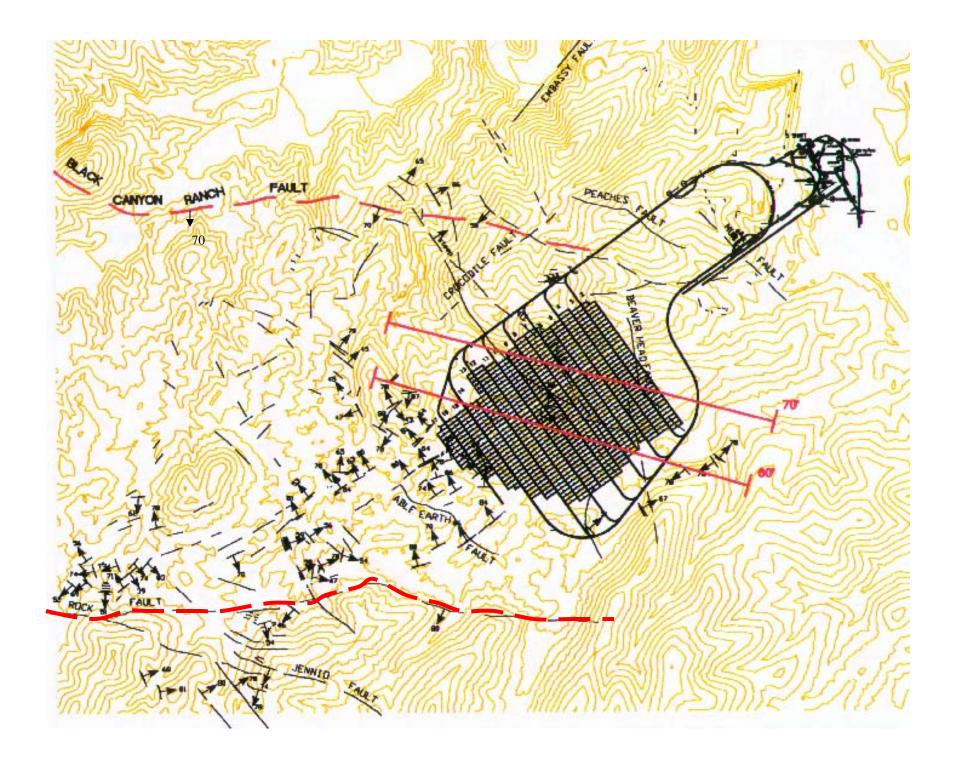




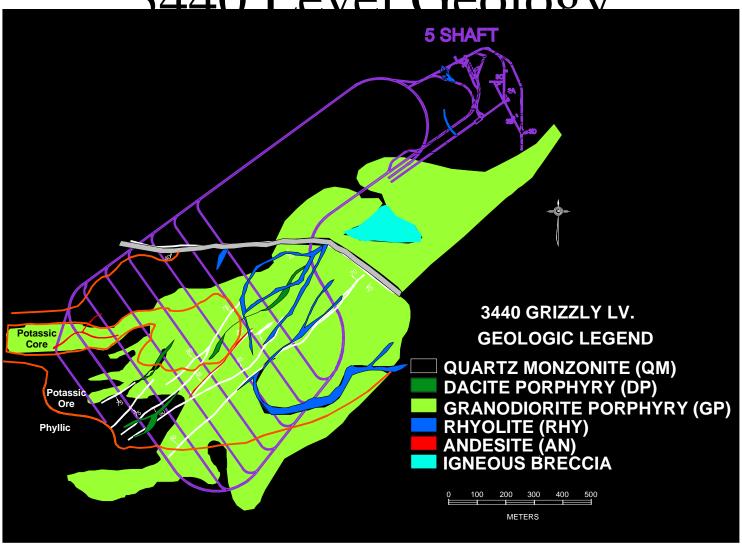


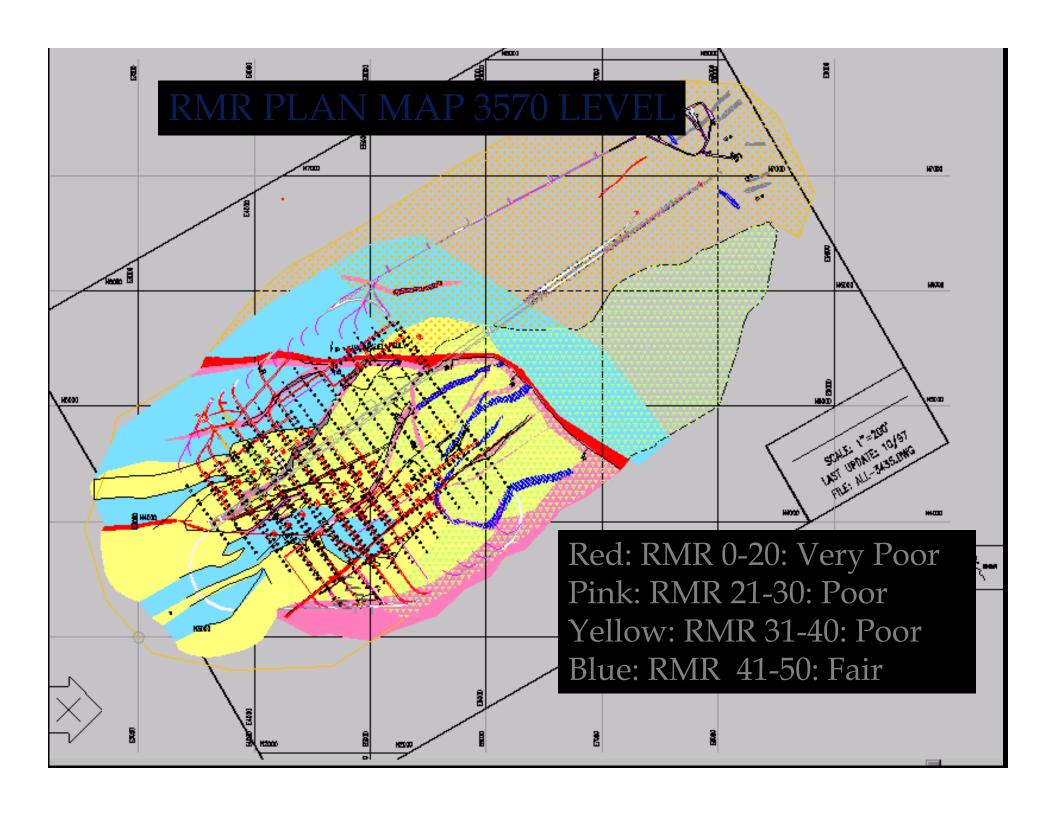


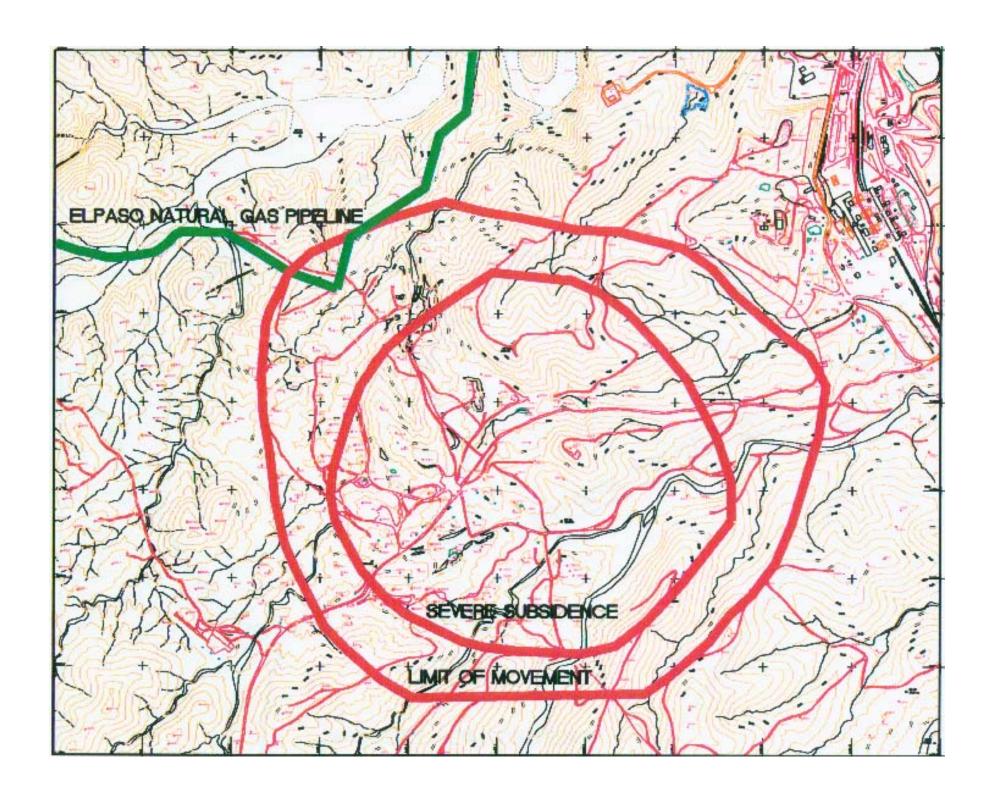


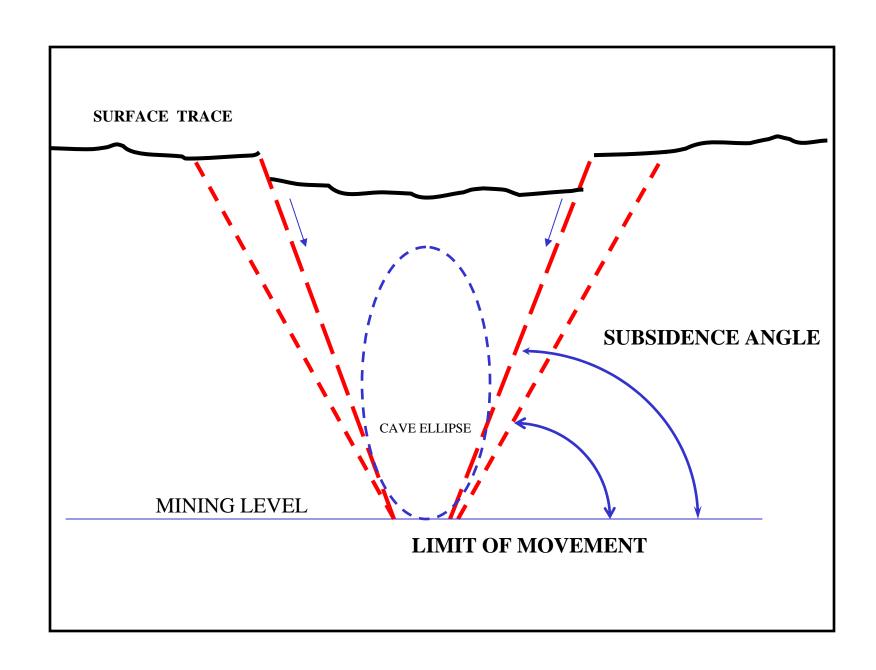


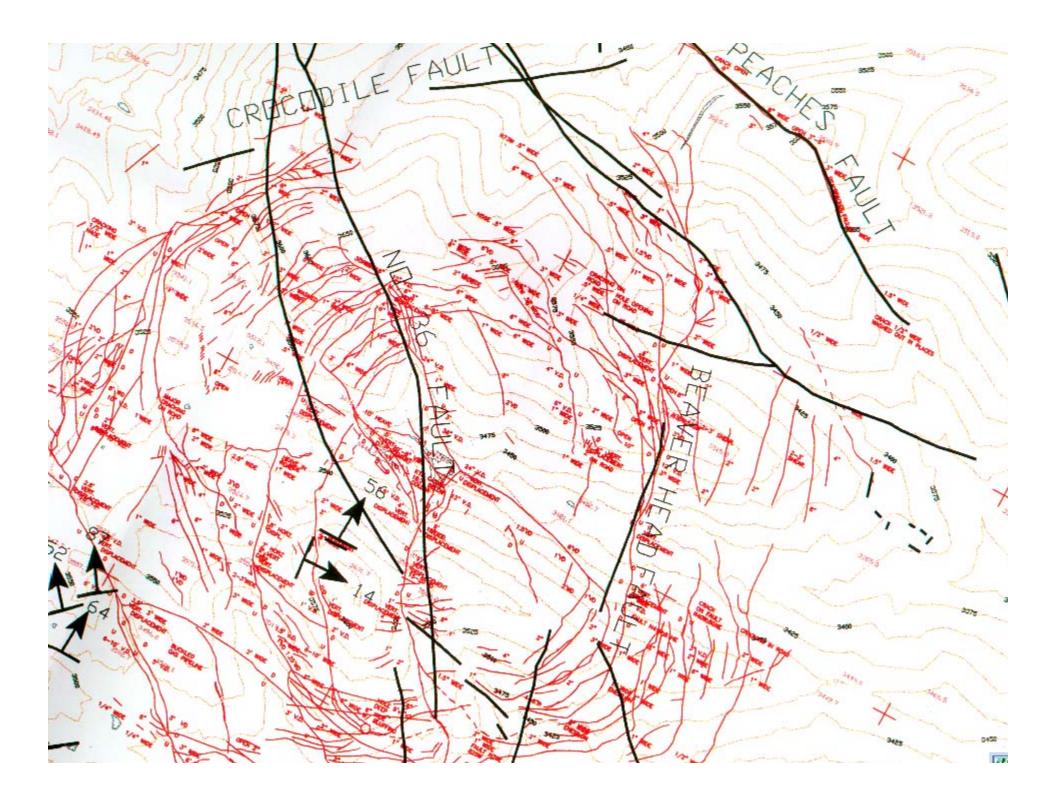
3440 Level Geology



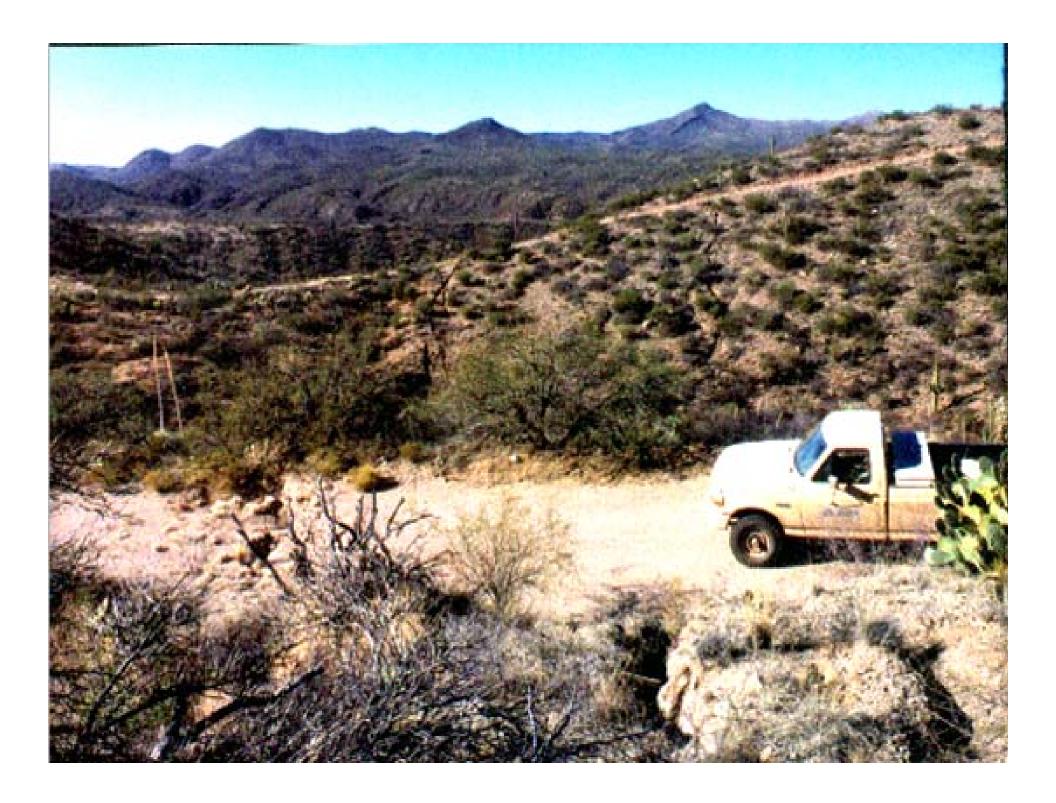
















Number 36 Fault, Near Station 20

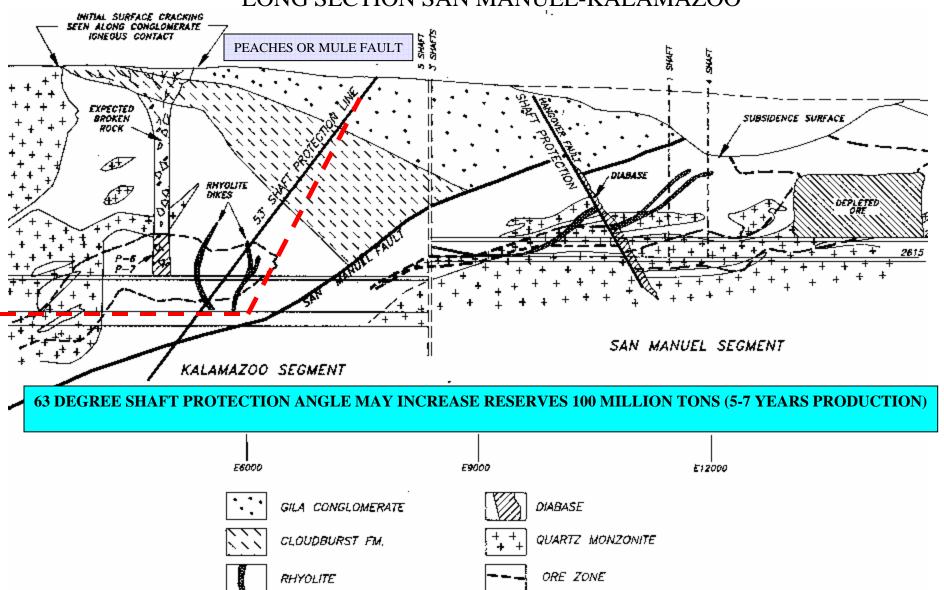


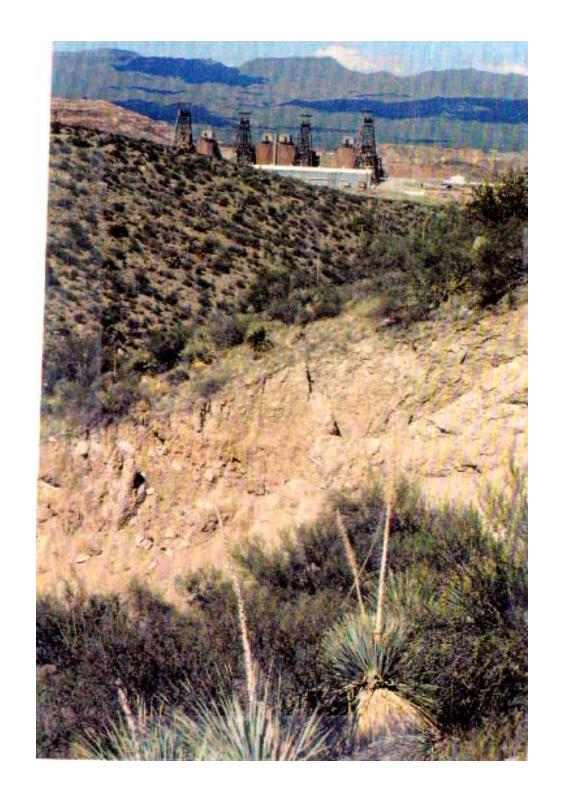


Western Escarpment, On Dirt Road

Top 1993 Bottom 1995

LONG SECTION SAN MANUEL-KALAMAZOO





Concerns

- Careful mapping of surface cracking through field checking
- Yearly aerial photos for contoured movement
- Periodic production shaft survey and inspections for damage or alignment
- Encroachment of damage to surface facilities
- Fencing off areas to limit access to cave areas